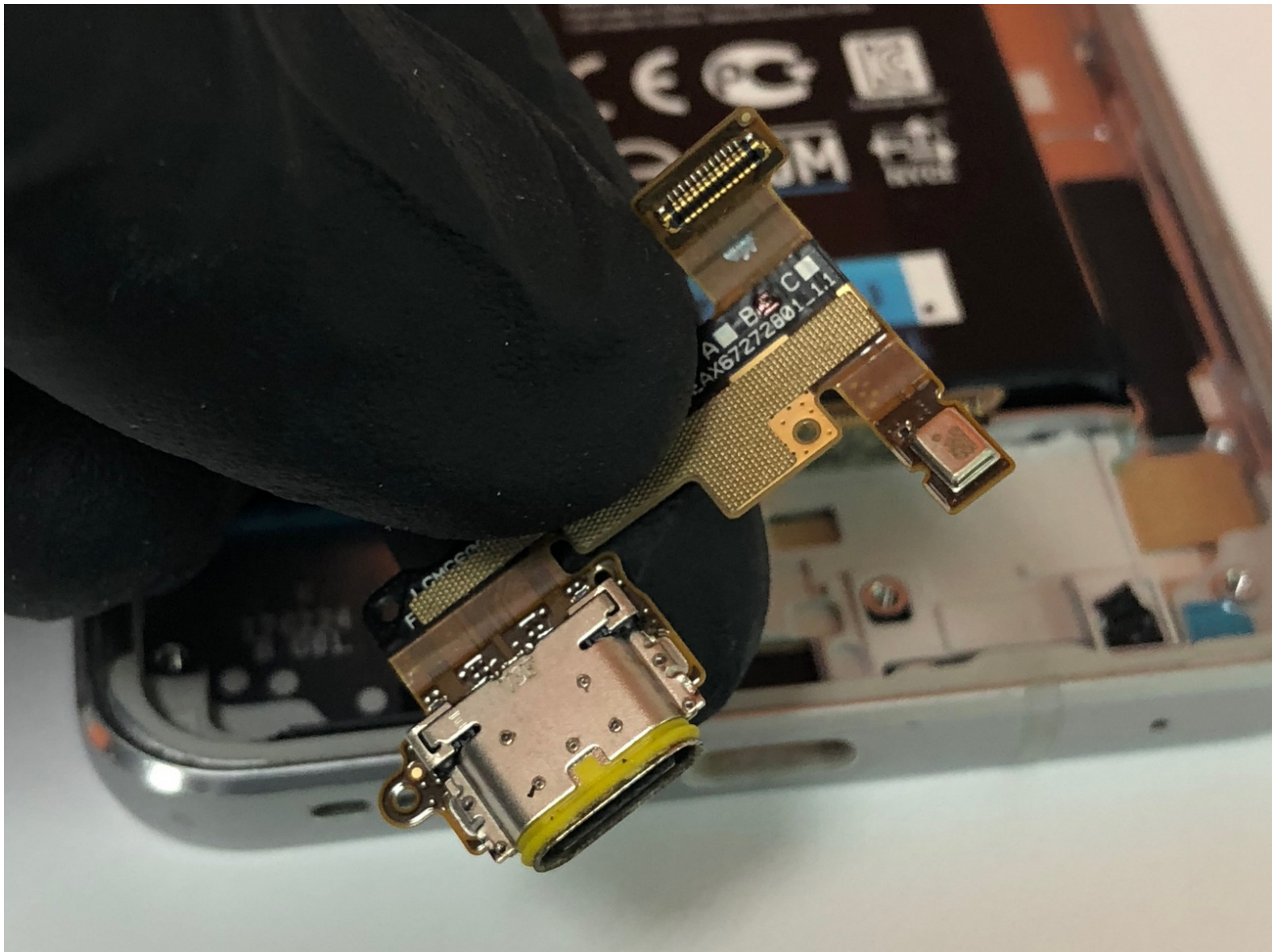




# LG G6 Charge Port Replacement

Use this guide to replace the charge port on a LG G6.

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## INTRODUCTION

Use this guide to replace the charge port on a LG G6. If you're having charging issues or your microphone isn't working, replacing the charge port is a good place to start.

### TOOLS:

- [Halberd Spudger](#) (1)
- [iOpener](#) (1)
- [Spudger](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Tweezers](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Suction Handle](#) (1)

### PARTS:

- [LG G6 Rear Glass Panel](#) (1)
- [Tesa 61395 Tape](#) (1)

*Thin, high-bond tape is required if the replacement part does not come with adhesive.*

- [LG G6 Charge Port](#) (1)

## Step 1 — iOpener Heating



- ⓘ We recommend that you clean your microwave before proceeding, as any nasty gunk on the bottom may end up stuck to the iOpener.
- Place the iOpener in the center of the microwave.
- ⚠ For carousel microwaves: Make sure the plate spins freely. If your iOpener gets stuck, it may overheat and burn.

## Step 2




- Heat the iOpener for **thirty seconds**.
- Throughout the repair procedure, as the iOpener cools, reheat it in the microwave for an additional thirty seconds at a time.

- ⚠ Be careful not to overheat the iOpener during the repair. Overheating may cause the iOpener to burst.
- ⚠ Never touch the iOpener if it appears swollen.
- ⚠ If the iOpener is still too hot in the middle to touch, continue using it while waiting for it to cool down some more before reheating. A properly heated iOpener should stay warm for up to 10 minutes.

## Step 3




- Remove the iOpener from the microwave, holding it by one of the two flat ends to avoid the hot center.

 The iOpener will be very hot, so be careful when handling it. Use an oven mitt if necessary.

## Step 4 — Rear Glass



- Apply a heated iOpener to a long edge of the phone for about 2 minutes.
-  You may need to reheat and reapply the iOpener several times to get the phone warm enough. Follow the iOpener instructions to avoid overheating.



## Step 5



- In the following steps you will be cutting through the adhesive on the rear glass panel.
- Take note of the following areas:
  - In addition to cutting around the edge, there is extra adhesive here that should be cut.
  - Avoid sticking the spudger blade in too far here, to avoid damaging the rear button ribbon cable and chip.

## Step 6



- Once the back panel is warm to the touch, apply a suction cup as close to the heated edge of the phone as you can.
- ⓘ The suction cup will not make a good seal on the curved portion of the glass, so avoid putting it on the very edge.
- Lift on the suction cup, and insert a halberd spudger or opening pick under the rear glass.

## Step 7



- Once you have the tool firmly inserted into the glass, [reheat](#) and reapply the iOpener to soften the adhesive.

## Step 8



- Slide the blade of a Halberd spudger along the side of the phone, separating the adhesive.

## Step 9



- Repeat the previous heating and cutting procedure for the remaining three sides of the phone.
- Leave an opening pick on each side as you continue to the next to prevent the adhesive from resealing.



## Step 10



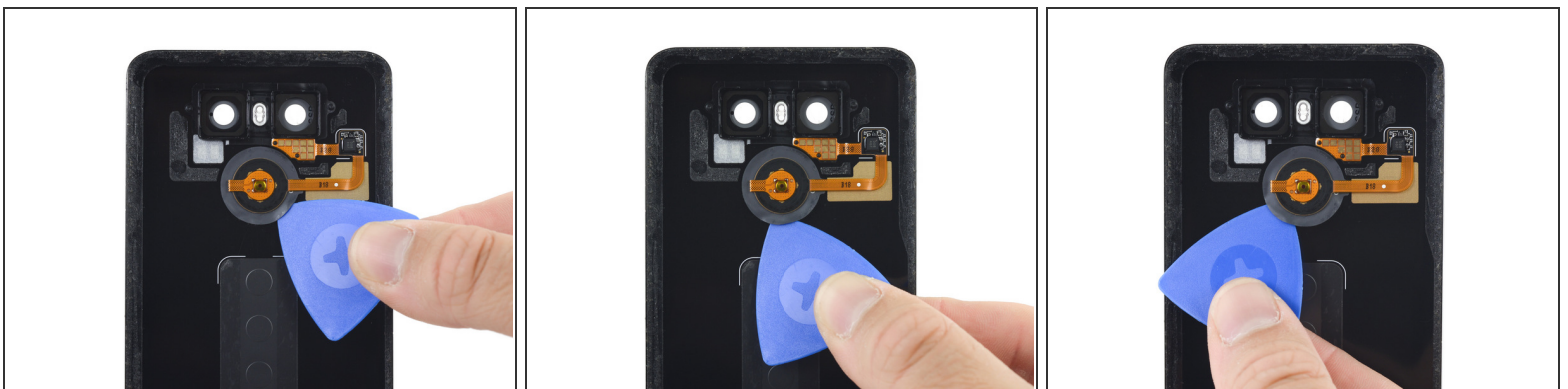
- Use the opening picks to slice through any [remaining adhesive](#) and open the phone.
  - Remove the glass from the phone.
- ☒ During reassembly, apply new adhesive or high-bond tape if your replacement rear glass does not come with any.

## Step 11



- Slide the blade of a halberd spudger into the opening on the edge of the rear button bracket.
  - ⚠ Careful not to push directly against the rear button ribbon cable, to avoid damaging it.
  - ⚠ Do not push the spudger in too far, to avoid damaging the rear button.
- Continue sliding the spudger blade around the bracket to cut all the adhesive holding the bracket to the rear case.
- Remove the bracket.

## Step 12



- Slide an opening pick between the rear button membrane and the rear case.
- Slide the pick around the edge of the membrane to separate it from the rear case.
- ⓘ This might take some force, as the adhesive holding the membrane to the case is tenacious. Pry slowly, to avoid puncturing or stretching the membrane.

## Step 13



- Use the blade of a halberd spudger to pry the rear button chip off of the rear case.

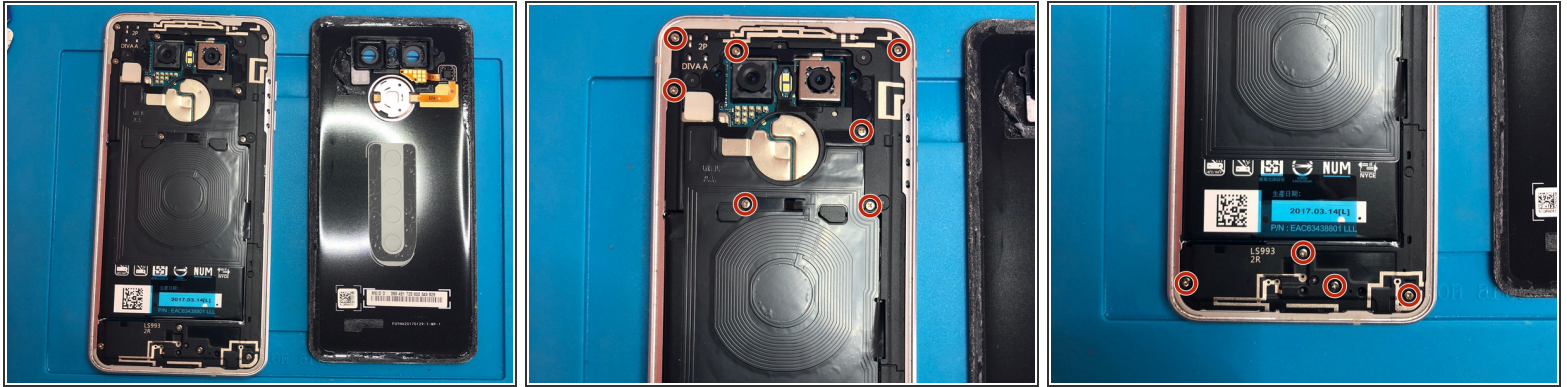
## Step 14



- Use an opening pick to pry the contact pad off of the rear case.
- Remove the rear button assembly.



## Step 15 — Charging Coil and Loudspeaker Assembly



- Separate the rear glass from the phone,
- Remove eleven Philips #00 screws.

## Step 16 — Remove Charging Coil



- Use a spudger to remove the charging coil from the top left corner,

## Step 17 — Remove Loudspeaker Assembly



- Remove loudspeaker assembly.

## Step 18 — Battery



- Use the flat end of a spudger to disconnect the battery connector.

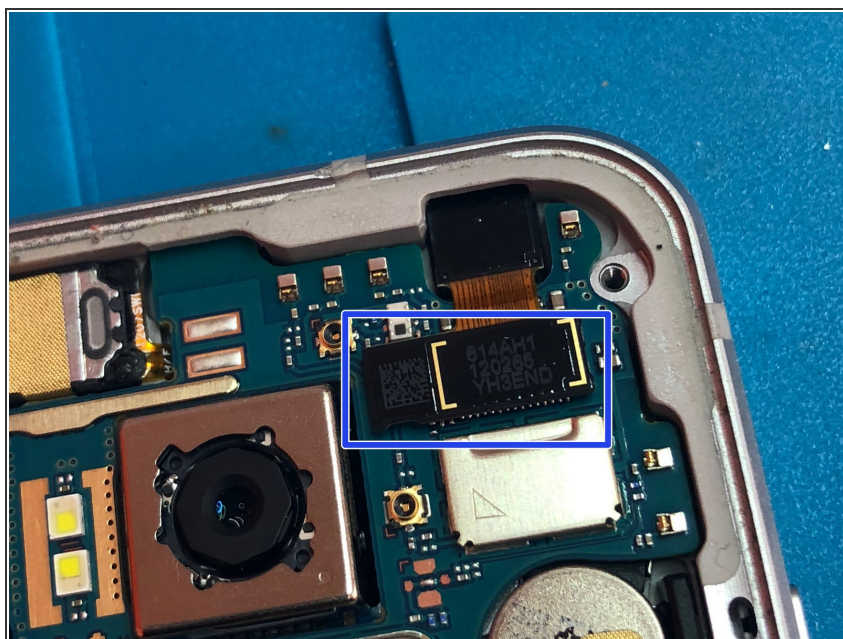


## Step 19 — Motherboard



- Use the flat end of a spudger to disconnect the LCD/Digitizer flex cable.
- Use the flat end of a spudger to disconnect the charge port flex cable.

## Step 20



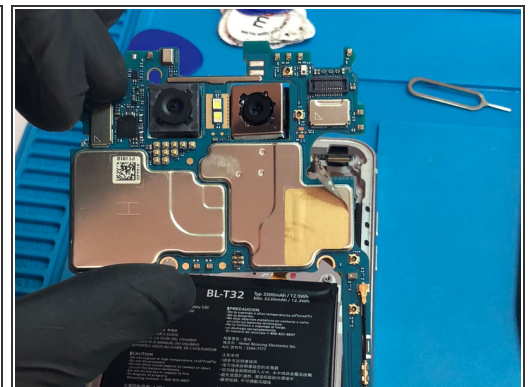
- Use the flat end of a spudger to disconnect the front camera.

## Step 21 — SIM Card Tray



- Insert a SIM card opening tool into the small hole on the left side of the phone and remove the SIM card tray.

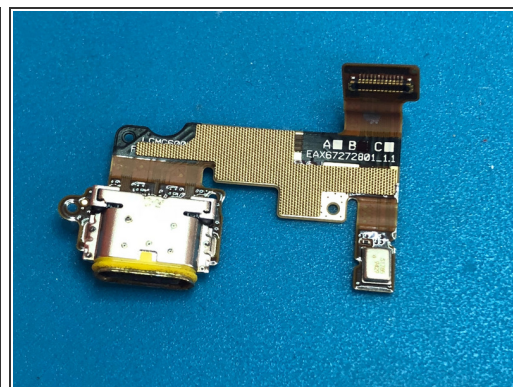
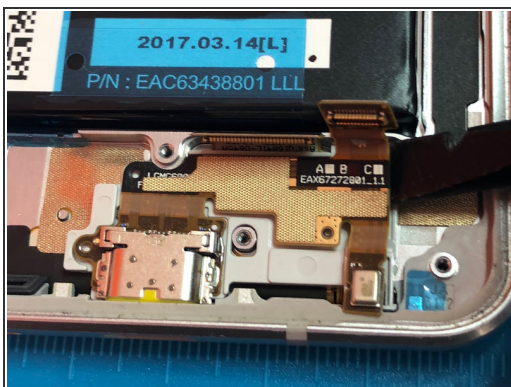
## Step 22



- Lift the motherboard out of the phone.
- ⓘ Be careful not to snag any of the connectors on the board.



## Step 23 — Charge Port



- Use the flat end of a spudger to remove the adhesive securing the USB-C charge port to the frame.

To reassemble your device, follow these instructions in reverse order.

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